

AMENDMENT TO THE CLAIMS

1. (currently amended) An acetabular liner for receiving a femoral head fixed on a stem component comprising:

an outer surface;

an inner surface being concave and forming a cavity adapted to receive the femoral head;
and

a rim surface located circumferentially along the top edge of the liner and joining upper edges of the inner and outer surfaces, the rim surface having at least one elevated portion with a first or second transitional areas at each end and at least one non-elevated portion, the transitional areas connecting a top surface of the elevated portion and the non-elevated portion of the rim surface, wherein at least a portion of the transitional areas are concave for allowing an increased range of motion of the stem component relative to the acetabular liner, the elevated portion is a peak in at least a portion of the rim surface, wherein the portion of the elevated portion is approximately 1/3 or less of circumferential surface of the rim..

2. (previously presented) The acetabular liner according to claim 1 wherein the elevated portion forms approximately one third or less of the circumferential rim surface.

3. (currently amended) An acetabular liner for receiving a femoral head fixed on a stem component comprising:

an outer surface;

an inner surface being concave and forming a cavity adapted to receive the femoral head of the stem component; and

a rim surface located circumferentially along the top edge of the liner and joining upper edges of the inner and outer surfaces, the rim surface having at least one elevated portion and at least one non-elevated portion, the elevated portion having a concave

inner surface that is a continuation of the inner surface of the cavity of the liner for securely containing the femoral head of the stem component in a snap fit, wherein the non-elevated portion of the rim surface has a bevelled surface, wherein the bevelled surface of the non-elevated portion is so formed that a snap fit between the femoral head and the liner is provided over the entire circumference of the cavity of the liner, the elevated portion is a peak in at least a portion of the rim surface, wherein the portion of the elevated portion is approximately 1/3 or less of circumferential surface of the rim.

4. (cancelled)

5. (previously presented) The acetabular liner according to claim 1, wherein the rim surface extends at least in part above the hemisphere of the cavity.

6. (canceled)

7. (previously presented) The acetabular liner according to claim 1, wherein the non-elevated portion of the rim surface is so bevelled to extend approximately to the hemisphere of the cavity such that, when the stem component is moved to an extreme position, a femoral neck of the stem component first contacts an inner edge of the bevelled surface and then contacts the entire bevelled surface.

8. (canceled)

9. (previously presented) The acetabular liner according to claim 1, wherein the rim surface has substantially one elevated portion.

10. (previously presented) The acetabular liner according to claim 1, wherein the shape of the transitional area corresponds to the cross-sectional shape of a neck attached to the femoral head of the stem component.

11. (previously presented) The acetabular liner according to claim 1, wherein the transitional area is curved with a radius of curvature, the radius of curvature being greater than the radius of a neck attached to the femoral head of the stem component.

12. (previously presented) The acetabular liner, claim 1, further comprising means for attaching the liner securely to an acetabular cup component.

Claims 13-14 (canceled)

15. (previously presented) An endoprosthetic assembly for total hip joint replacement comprising:
the acetabular liner according to claim 1;
an acetabular cup component adapted to receive and connect with the acetabular liner; and
a femoral component comprising a head, neck and stem, wherein the head is adapted to articulate within the cavity of the acetabular liner.